ID	Question	"Genome"	"Chromosome"	"Segment"	"Feature"
Q1	Is the result of structural variation analysis valid?				x
Q2	Are there any exonic deletion or duplications?			x	
Q3	Are there any fusion genes?				x
Q4	What is the sequence of structurally altered region?			x	x
Q5	What is the functional/biological impact of the structural variation?				x
Q6	How does the pattern of SV compare between the normal and the tumour samples?	x			
Q7	Which chromosomes are affected by structural variations?		x		
Q8	Are the genomic rearrangements localized?		x		
Q9	How does the pattern of structural variation compare between the reference genome and tumour sample?	x			
Q10	Where are the abnormal structural variations?	x			
Q11	Are there any disrupted or deleted genes?				x
Q12	Is a promoter region also regulating another gene?			x	

Table S1a: The list of questions for inquiry-based cards in the case study. The assignment to categories based on the genomic size and resolution is also shown.

ID	Source	Figure number
V1	[MSB09]	1
V2	[SGF∗11]	5A
V3	[SGF∗11]	4A
V4	[SGF∗11]	1D
V5	[SGF∗11]	1A
V6	A new visual encoding idea to compare the reverence, control and case sequence	
V7	A new visual encoding idea to extend the concept of "pulling a string"	
V8	A new visual encoding idea based on the user's sketch in their notebook	
V9	[SGF∗11]	Supplementary 6C

Table S1b: The list of pictures used in the case study. The set included 6 figures from the literature and 3 visual encoding ideas.